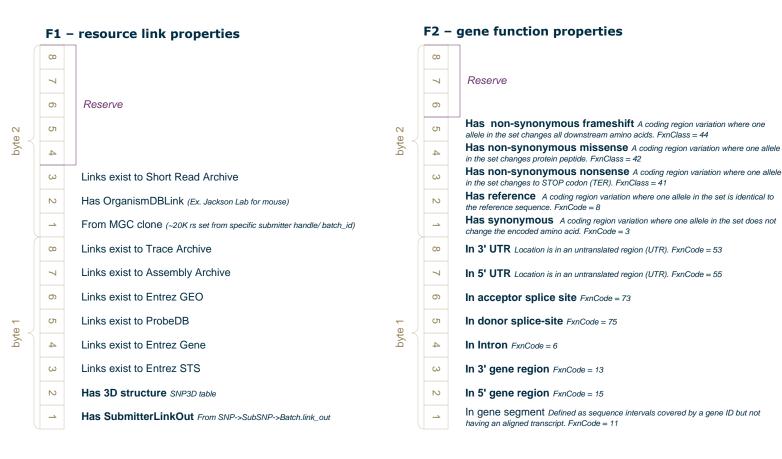
The dbSNP bitfield structure is a 12-byte object that defines variation properties in 9 areas.

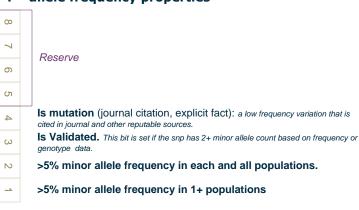
- F1 and F2 are 2-byte structures
- F0 (lowest order byte) is the version of the encoding schema used for the data, see page 2 for definition.
- Bits labeled in **bold** are currently populated by dbSNP



F3 - mapping properties



F4 - allele frequency properties



F5 - genotype properties

Reserve

Marker is on high density genotyping kit (50K density or greater).

The snp may have phenotype associations present in dbGaP.

In Haplotype tagging set

Genotypes available. The snp has individual genotype (in SubInd table).

F6 - HapMap properties

Reserve

Phase 3 genotyped: filtered, non-redundant.

Phase 2 genotyped: filtered, non-redundant.

Phase 1 genotyped: filtered, non-redundant.

F7 - phenotype properties

 \rightarrow

Has MeSH is linked to a disease.

Variation is interrogated in a clinical diagnostic assay

Has transcription factor

Submitted from a locus-specific database.

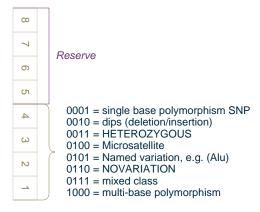
Has significant association in dbGaP study

Has LOD score

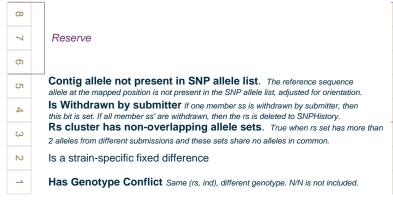
Has SnpRIF

Has OMIM/OMIA

F8 - variation class



F9 - quality check



FO - Version encoding

